DIN 9277
1-11-2010
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December 18, 2009

NC DEPT. OF ENVIRONMENT AND NATURAL RESOURCES
RECEIVED
DEC 18 2009
MOORESVILLE REGIONAL OFFICE
DIVISION OF WASTE MANAGEMENT, SWS

Mr. John Murray, PE
NCDENR
DWM – Solid Waste Section
Mooresville Regional Office
601 East Center Avenue | Suite 301
Mooresville, North Carolina 28115

RE: Piney Hill Acres LCID Landfill Treatment and Processing Operation Plan
2020 Piney Grove Road
Kernersville, North Carolina
NC Solid Waste Permit No. 34-AA
Kleinfelder Project No. 103374

Dear Mr. Murray:

Kleinfelder is submitting an updated Operation Plan and figures for the referenced land clearing and inert debris landfill for the purpose of requesting an additional permit for treatment and processing of LCID materials. The proposed limits of the treatment and processing operations are shown on the enclosed Figure 3.

Should you have any questions or require clarification, please contact Chris Hay at 336.668.0093, or chay@kleinfelder.com.

Very truly yours,

KLEINFELDER SOUTHEAST, INC.

Gail Licayan

Gail G. Licayan, P.E.
Project Professional

Christopher W. Hay, E.I.
Environmental Group Manager

GGL/CWH:cas
Enclosure: Operation Plan

Cc: David Lawson w/enc.

Land Clearing and Inert Debris Landfill
Operation Plan
Piney Hill Acres
2020 Piney Grove Road
Kernersville, North Carolina
Kleinfelder Project No. 103374

RECEIVED
DEC 1 8 2009
NC DEPT OF ENVIRONMENT
AND NATURAL RESOURCES
MOORESVILLE REGIONAL OFFICE

OPERATION PLAN

PINEY HILL ACRES
2020 PINEY GROVE ROAD
KERNERSVILLE, NORTH CAROLINA

Prepared for:

David L. Lawson, LLC
Piney Hill Acres

KLEINFELDER
Bright People. Right Solutions.

TABLE OF CONTENTS

FIGURES

1.0 GENERAL FACILITY OPERATIONS

1.1 OVERVIEW

This Operation Plan was prepared for operations of the Piney Hill Acres facility (Permit No. 34-AA) located at 2020 Piney Grove Road in Kernersville, North Carolina. This document discusses the operation of the land clearing and inert debris landfill and other solid waste management activities, including operation of treatment and processing area. The zoning at the property was recently changed to Light Industrial – Special Use. LCID recycling activities may be conducted at the facility in the future. Refer to the attached site plans for the general layout of the facility.

1.2 CONTACT INFORMATION

The individual responsible for operation and maintenance of the facility will be the property owner:

Mr. David Lee Lawson
2020 Piney Grove Road
Kernersville, North Carolina 27284
Phone: 336.996.6747

1.3 ACCESS AND SECURITY REQUIREMENTS

Access to the site is limited by a locking gate. During daytime hours, an official from the LCID landfill will be on duty to prevent dumping of unauthorized waste. During nighttime hours, access to the site is restricted by a locked gate and fence along the front of the property facing southeast. The entrance road to the landfill will be of all weather construction and maintained in good condition.

1.4 SIGN REQUIREMENTS

A sign is posted at the facility entrance indicating the site contact and phone number in case of an emergency and landfill permit number.

1.5 SAFETY REQUIREMENTS

Open burning of solid waste will not be permitted. The Piney Grove Fire Department is located two miles south of the landfill. Fire Chief Bork and other personnel from the fire department have visited the landfill to conduct a fire protection assessment.

Arrangements have been made with the local fire protection agency to immediately provide fire-fighting services when needed. A fire that occurs will be reported to the DSWM with 24 hours and a written notification shall be submitted within 15 days. Removal of solid waste shall not occur unless the owner/operator approves and the removal is not performed on the working face.

2.0 EROSION AND SEDIMENTATION CONTROL

Erosion controls (sediment traps) have been designed which will minimize sediment leaving the site and to limit excessive onsite erosion. Details of the sediment trap design and construction are shown on Figures 2 and 7. These erosion controls have previously been approved in prior submittals.

2.1 SEDIMENT TRAP CONSTRUCTION SPECIFICATIONS

1. Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area.

2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 8 inches and machine compact it. Over fill the embankment 6 inches to allow for settlement.

3. Construct the outlet section in the embankment. Protect the connection between the riprap and the soil by using filter fabric or a keyway cutoff trench between the riprap structure and the soil.

    - Place the filter fabric between the riprap and soil. Extend the fabric across the spillway foundation and sides to the top of the dam; or

- Excavate a keyway trench along the centerline of the spillway foundation extending up the sides to the height of the dam. The trench should be at least 2 feet deep and 2 feet wide with 1:1 side slopes.

4. Clear the pond area below the elevation of the crest of the spillway to facilitate sediment cleanout.

5. All cut and fill slopes should be 2:1 or flatter.

6. Ensure that the stone (drainage) section of the embankment has a minimum bottom width of 3 feet and maximum side slopes of 1:1 that extend to the bottom of the spillway section.

7. Construct the minimum finished stone spillway bottom width, as shown on the plans, with 2:1 side slopes extending to the top of the over-filled embankment. Keep the thickness of the sides of the spillway outlet structure at a minimum of 21 inches. The weir must be level and constructed to grade to assure design capacity.

8. Material used in the stone section should be a well-graded mixture of stone with a size of 9 inches (class B erosion control stone is recommended) and a maximum stone size of 14 inches. The stone may be machine placed and the smaller stones worked into the voids of the larger stones. The stone should be hard, angular, and highly weather resistant.

9. Ensure that the stone spillway outlet section extends downstream past the embankment until stable conditions are reached and outlet velocity is acceptable. Keep the edges of the stone outlet several inches below the surrounding ground and shape the center to confine the outlet stream.

10. Direct emergency bypass to natural, stable areas. Locate such that flow will not damage the embankment.

11. Stabilize the embankment and all disturbed areas above the sediment and downstream from the trap immediately after construction.

2.2 SEDIMENT TRAP MAINTENANCE

Inspect temporary sediment traps after each period of significant rainfall. Remove sediment and restore the trap to its original dimensions when the sediment has accumulated to one half the design depth of the trap. Place the sediment that is removed in the designated disposal area and replace the gravel facing.

Check the structure for damage from erosion. Periodically check the depth of the spillway to ensure it is a minimum of 1.5 feet below the low point at the embankment. Immediately fill any settlement of the embankment to slightly above design grade. Any riprap displaced from the spillway must be replaced immediately.

After all the sediment-producing areas have been permanently stabilized, remove the structure and all unstable sediment. Smooth the area to blend with the adjoining areas and stabilize properly.

2.3 DRAINAGE CONTROL REQUIREMENTS

Drainage controls (temporary diversions) may be installed to minimize excess runoff entering the site and limit onsite erosion. Details of the temporary diversions construction are shown on Figure 7.

2.4 TEMPORARY DIVERSION CONSTRUCTION SPECIFICATIONS

1. Remove and properly dispose of all trees, brush, stumps, and other objectionable material.

2. Ensure that the minimum construction cross-section meets all design requirements.

3. Ensure that the top of the dike is not lower at any point than the design elevation plus the specified settlement.

4. Provide sufficient room around diversions to permit machine regrading and cleanout.

5. Vegetate the ridge immediately after construction, unless it will remain in less than 30 working days and will not be subject to erosion.

2.5 TEMPORARY DIVERSION MAINTENANCE

Inspect temporary diversions once a week and after every rainfall. Immediately remove sediment from the flow area and repair the diversion ridge. Carefully check outlets and make timely repairs as needed. When the area protected is permanently stabilized, remove the ridge and the channel to blend with the natural ground level and appropriately stabilize it.

2.6 VEGETATION REQUIREMENTS

Ground cover sufficient to prevent erosion must be established within 30 working days or 120 calendar days of completion of disposal operations. The area will be stabilized with native grasses. Temporary seeding will be utilized as necessary to stabilize the site.

2.7 DUST CONTROL

Dust control measures in the form of water sprays shall be used to suppress unwanted dust when appropriate.

3.0 LCID WASTE HANDLING OPERATIONS

3.1 TYPE, QUANTITY, AND SOURCE OF WASTE

Mr. David Lawson intends to operate a LCID landfill which will accept waste which meets the North Carolina Division of Solid Waste Management requirements. Land clearing debris is defined in the statutes as waste that is generated solely through land clearing activities such as stumps, trees, limbs, brush, grass, and other naturally occurring vegetative matter. A LCID landfill is defined in the rules as a facility for the land disposal of land clearing waste, concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood, and yard trash. Yard trash is defined as solid waste resulting from landscaping and yard maintenance such as grass, tree limbs, and similar material. No device which is capable of holding liquid will be allowed for disposal. Asphalt pavement and untreated and unpainted dimensional lumber not from demolition may also be accepted for disposal. A solid waste dumpster will be kept on-site for disposal of unacceptable materials.

3.2 GROUNDWATER PROTECTION REQUIREMENTS

Six test pits have been excavated within the footprint of the disposal area. Figure 2 shows the locations of the test pits. Soil encountered in the test pits was consistent in composition. Neither hydric soil conditions, saturated soil, nor groundwater were observed in the test pits. The approximate elevation of the bottom of the test pits ranged between 796 and 800 feet above mean sea level (MSL). The lowest elevation planned for excavation is 810 feet MSL. A separation distance of 4 feet must be maintained between the waste material and groundwater. Solid waste shall not be disposed of in water.

3.3 SPREADING AND COMPACTING REQUIREMENTS

LCID waste will be restricted to the smallest area feasible. The waste will be compacted as densely as practical. Solid wastes shall be spread and compacted not less than ten working days after being deposited into the landfill.

3.4 COVER REQUIREMENTS

If the exposed working area reaches 1 acre in size, the entire acre will be covered with 6 inches of cover soil. Adequate soil cover shall be applied monthly, if not more frequently.

A 12-inch thick intermediate soil cover shall be placed over a waste area where waste placement will be inactive for 12 months or more.

4.0 TREATMENT AND PROCESSING OPERATIONS

4.1 OVERVIEW

This section describes the required material handling operations for the treatment and processing portion of the facility. Organic wastes and aggregates will be processed for recycling or reuse. Recycled materials will be stored at the facility until there are sufficient quantities for pick up or delivery to various recycling contractors or end-users.

4.2 ACCEPTABLE WASTES

The following wastes may be recycled at the facility:

- Soil;
- Organic land clearing debris;
- High carbon yard waste;
- Wood (untreated and unpainted wood waste not from demolition, pallets and crating material);
- Aggregates (rock, concrete, asphalt pavement, brick, and block); and
- Other wastes as approved by the Solid Waste Section of the Division of Waste Management.

4.3 PROHIBITED WASTES

Only wastes, as defined in Section 4.2 above or approved by the DWM may be accepted for recycling. No other wastes may be accepted. A solid waste recepticle will be kept on-site for disposal of unacceptable materials.

4.4 GENERAL PROCEDURES

The facility's Treatment and Processing area will be used to store and separate recyclable materials. Grinding operations will be subcontracted. Equipment will be mobilized to the facility for grinding when economical. The limits of the Treatment and Processing area are shown on Figure 3.

The materials to be processed will be handled as follows:

- Land clearing debris, untreated and unpainted wood waste, and pallets and crating material may be ground into mulch or chipped into boiler fuel as markets allow.
- Land clearing debris and high carbon yard waste may be ground and mixed with soil for use as topsoil.
- Aggregates may be crushed and subsequently stockpiled in the Treatment and Processing area until removed from the site for sale as fill, aggregate, etc. as markets allow.

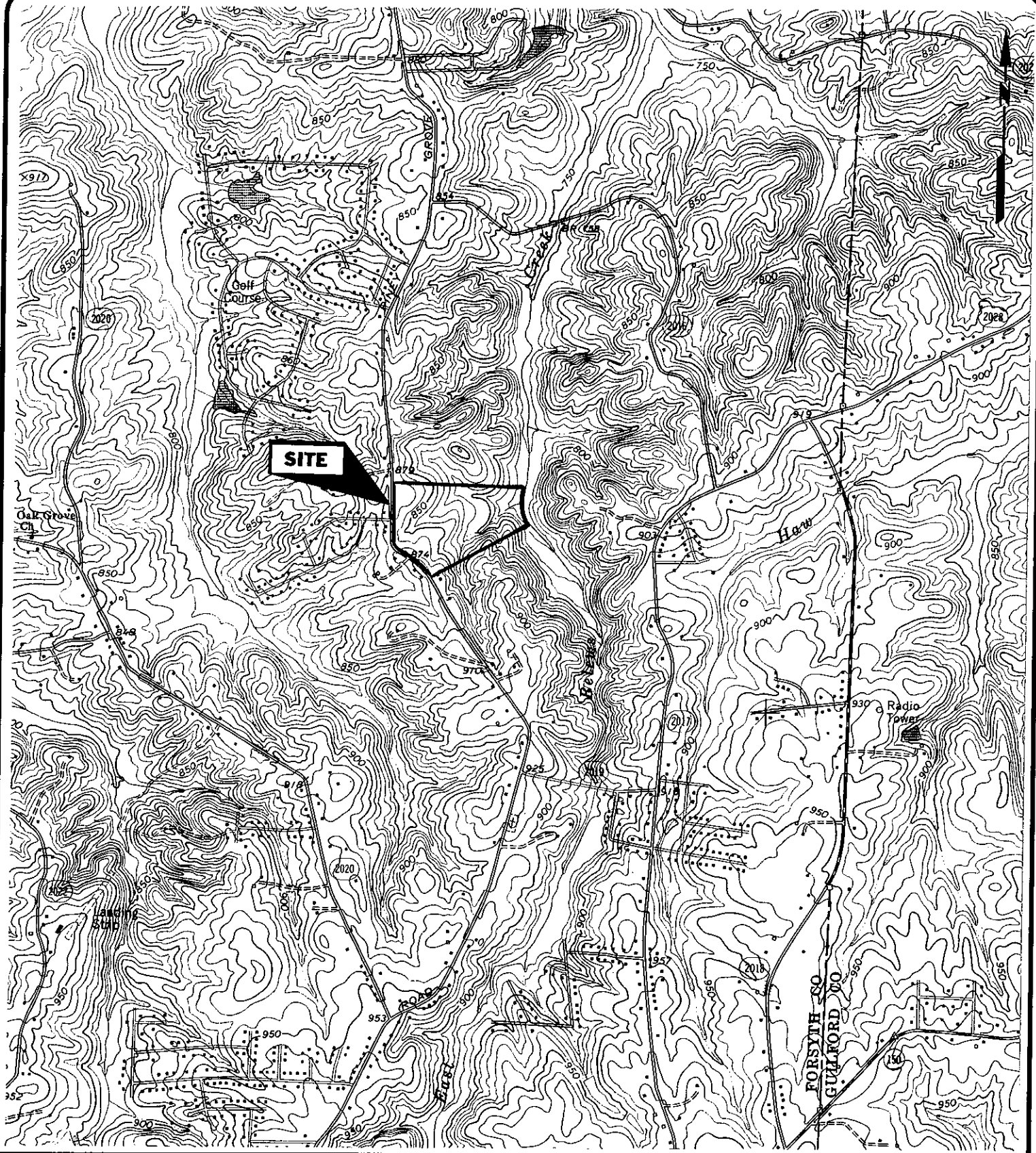
4.5 MARKETS

The final destination of the recyclable materials may vary depending upon market prices for such materials. In general, materials which have valid markets will be recycled; however, markets shall fluctuate. In any case, if a viable market or beneficial use cannot be found, the materials will be used or disposed in the LCID landfill onsite.

Anticipated end markets for the recyclable materials are as follows:

WOOD	Ground or chipped for boiler fuel, as market allows. Mulch will be sold for landscaping/gardening activities or may be used onsite.
AGGREGATES	Bricks may be banded and palletized for sale to landscaping contractors; concrete, asphalt, and broken brick and block will be crushed and stockpiled until it is removed from the site for sale as fill, aggregate, etc. as markets allow.
SOIL	Soil may be sold as fill material or topsoil.

FIGURES



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313 GALLIMORE DAIRY ROAD
GREENSBORO, NORTH CAROLINA
PHONE: 336.668.0093

FIGURE 1
SITE LOCATION MAP

Piney Hill Acres LCID Landfill
Piney Grove Road
Kernersville, North Carolina

DATE: 4-15-2009	APPROVED BY:	SCALE: 1" = 2,000'
SOURCE: USGS 7.5' TOPOGRAPHIC MAP, BELEWS CREEK QUADRANGLE		PROJECT NO: 103374

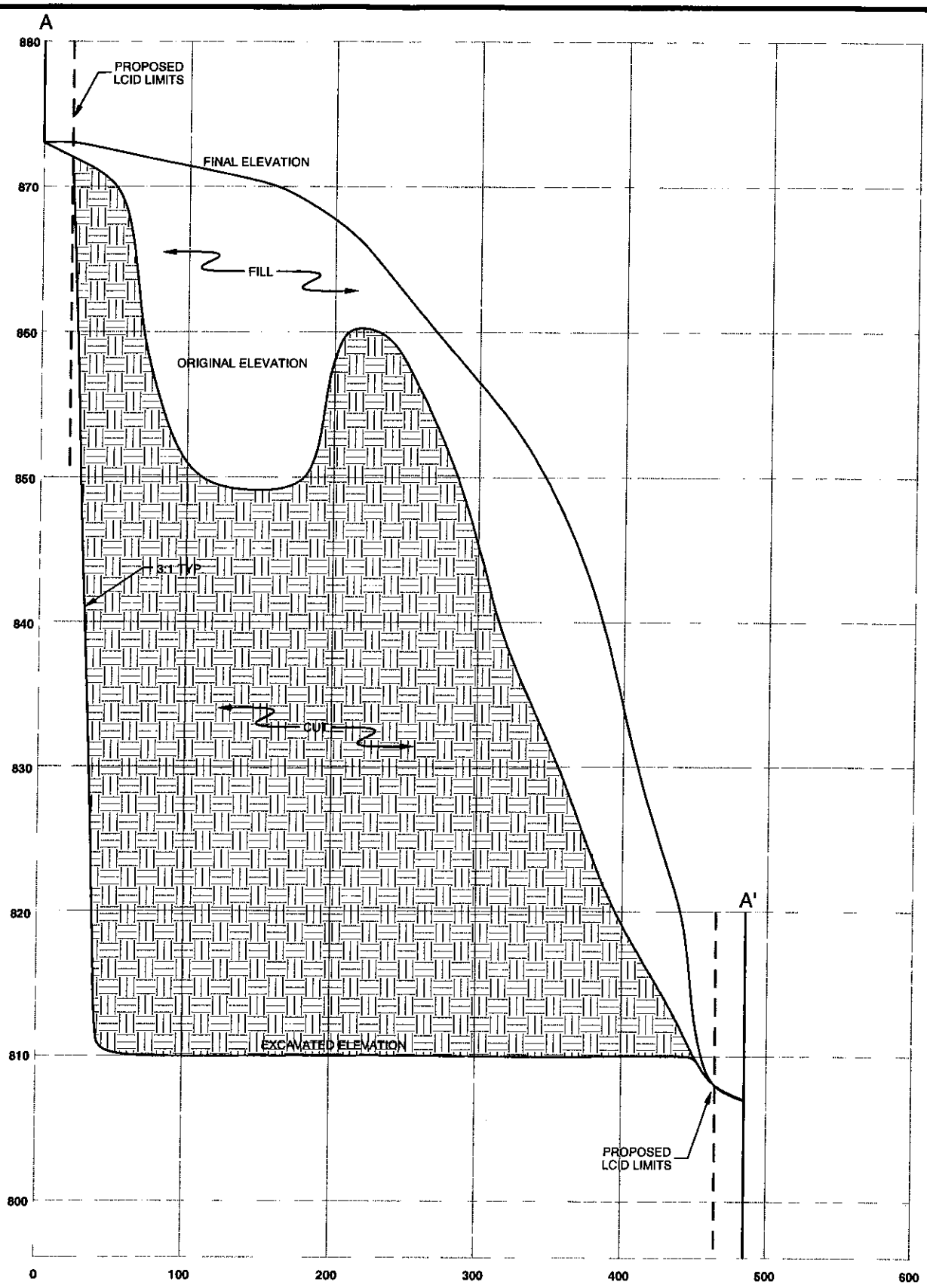

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FIGURE 5
CROSS SECTION A - A'

Piney Hill Acres LCID Landfill
Piney Grove Road
Kernersville, North Carolina

DATE: 4-15-2009	APPROVED BY:	SCALE: 1" = 100' HORIZONTAL 1" = 10' VERTICAL
DRAWN BY: GGL		PROJECT NO: 103374

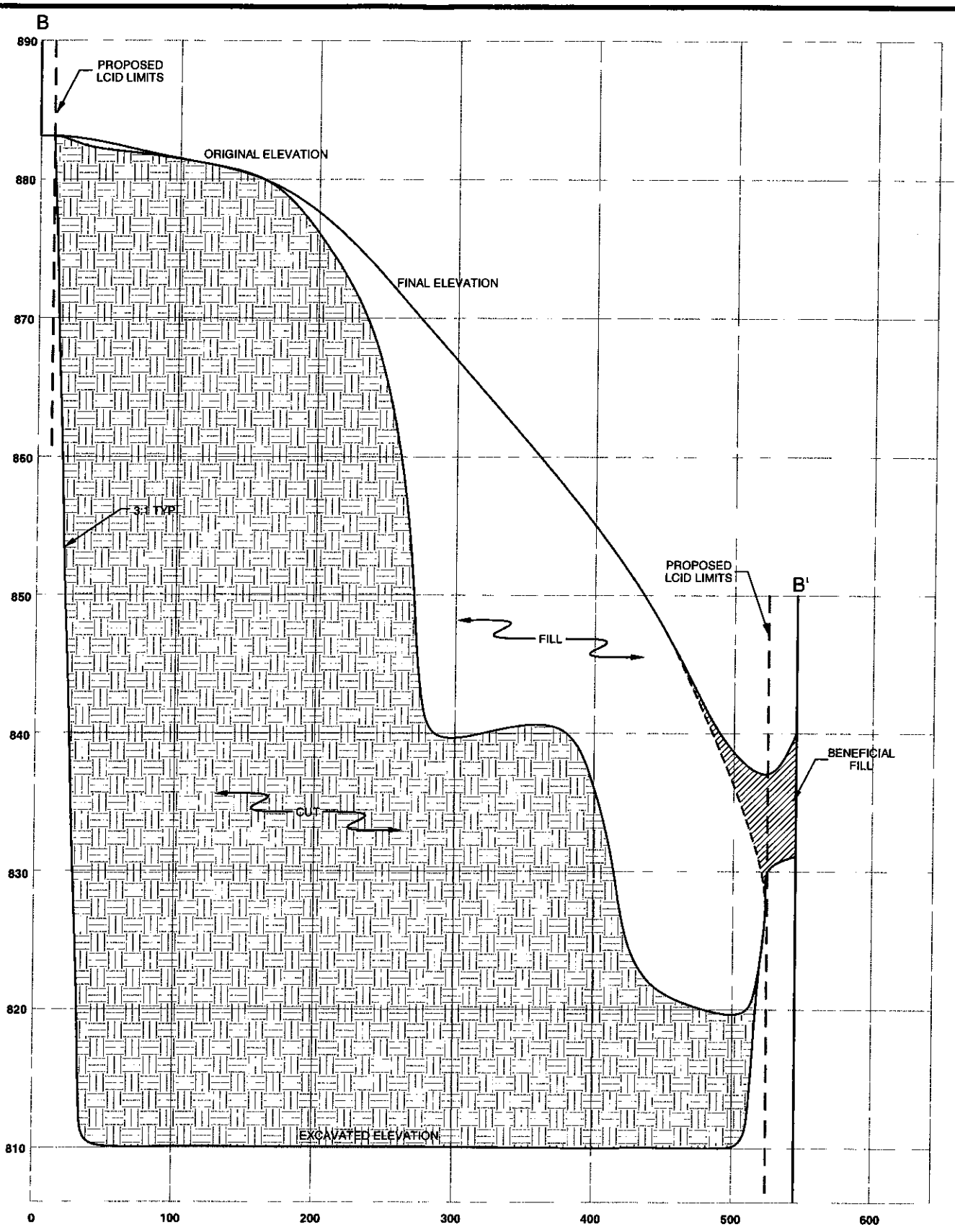

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FIGURE 6
CROSS SECTION B - B'

Piney Hill Acres LCID Landfill
Piney Grove Road
Kernersville, North Carolina

DATE: 4-15-2009	APPROVED BY:	SCALE: 1" = 100' HORIZONTAL 1" = 10' VERTICAL
DRAWN BY: GGL		PROJECT NO: 103374

SEEDING NOTES

1. ALL SILT DAMS, FENCES, BASINS AND OTHER EROSION CONTROL DEVICES TO BE CONSTRUCTED ACCORDING TO CITY AND STATE STANDARDS AND KEPT IN WORKING ORDER UNTIL ALL INDICATED CONSTRUCTION ON THE DRAWINGS IS COMPLETED AND SOIL IS STABILIZED.
2. STABILIZE ALL AREAS AS THEY ARE COMPLETED WITH PERMANENT SEEDING AS SHOWN IN THE SEEDING SPECIFICATIONS. ALL AREAS MUST BE STABILIZED WITHIN 21 DAYS OF COMPLETION. SPECIAL ATTENTION SHALL BE PAID TO SLOPES TO INSURE THAT THEY WILL BE STABILIZED WITHIN 21 DAYS OF COMPLETION.
3. ALL ROCK OVER 2" DIAMETER IN SIZE SHALL BE REMOVED PRIOR TO SEEDING.
4. THE SOIL SHALL BE SCARIFIED OR OTHERWISE LOOSENED TO A DEPTH OF NOT LESS THAN FIVE (5) INCHES IMMEDIATELY PRIOR TO SEEDING.
5. IN ALL CASES THE SEED USED MUST BE CERTIFIED BY THE NORTH CAROLINA DEPARTMENT OF AGRICULTURE. THE DATE OF CERTIFICATION OF ALL SEED MUST BE WITHIN EIGHT (8) MONTHS OF THE DATE OF SOWING.
6. TEMPORARY SEEDING SPECIFICATIONS MAY BE USED TO STABILIZE AREAS THAT WILL NOT BE DISTURBED AGAIN FOR AT LEAST 21 DAYS. PERMANENT SEEDING SHOULD BE USED AT COMPLETION AND FOR AREAS THAT WILL NOT BE DISTURBED FOR MORE THAN ONE GROWING SEASON.

PERMANENT SEEDING (TYPE II)

AS A MINIMUM REQUIREMENT, ALL GRADED AREAS NOT UNDER PAVEMENT AND WITHIN THE RIGHT-OF-WAY AND/OR EASEMENTS SHALL BE PREPARED, FERTILIZED AND LIMED, SEEDED, AND MULCHED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION AS FOLLOWS (SPECIFICATIONS PER 1,000 SQUARE FEET):

100 LBS. OF LIME
15 LBS. OF 10-20-20 OR 15 LBS. OF 10-10-10 IN COMBINATION W/ 3 LBS. OF 0-46-0
4 LBS. OF TALL FESCUE, CONTAINING A BLEND OF 2 OR MORE TALL FESCUES
1 LB. OF SERICEA LESPEDEZA (USE UNSCARIFIED SEED AUGUST 15 TO FEBRUARY 1)
1/4 LB. OF GERMAN MILLET (MAY1 TO AUGUST 15)
1 LB. OF RYE GRAIN (PRIOR TO MAY 1 OR AFTER AUGUST 15)
USE STRAW MULCH AND ASPHALT EMULSION TACK AT A RATE OF 150 GALLONS PER ACRE TO COVER SEED UNTIL GROWTH IS ESTABLISHED.

SEEDBED PREPARATION:
1. REMOVE ANY UNDESIRABLE GROUND COVERS INCLUDING ANY TEMPORARY SEEDING.
2. RIP THE AREA TO BE SEEDED TO A MIN. DEPTH OF 4"-6."
3. REMOVE ALL LOOSE ROCKS, ROOTS, ETC. LEAVING SURFACE SMOOTH AND UNIFORM.
4. APPLY SEED, AGRICULTURAL LIME, AND FERTILIZER UNIFORMLY AND MIX WITH THE SOIL.
5. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.

TEMPORARY SEEDING

TEMPORARY SEEDING RECOMMENDATIONS:

FOR LATE WINTER/EARLY SPRING:
SEEDING MIXTURE

SPECIES:	RATE (LB/ACRE):
RYE (GRAIN)	120
ANNUAL LESPEDEZA (KOBE IN PIEDMONT & COASTAL PLAIN, KOREAN IN MOUNTAINS)	50

SEEDING DATES
MOUNTAINS--FEB. 1 - MAY 1
PIEDMONT--JAN. 1 - MAY 1
COASTAL PLAIN--DEC. 1 - APR. 15

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FOR SUMMER:
SEEDING MIXTURE

SPECIES:	RATE (LB/ACRE):
GERMAN MILLET	40

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDAN GRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE.

SEEDING DATES
MOUNTAINS--MAY 15 - AUG. 15
PIEDMONT--MAY 1 - AUG. 15
COASTAL PLAIN--APR. 15 - AUG. 15

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. a DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FOR FALL:
SEEDING MIXTURE

SPECIES:	RATE (LB/ACRE):
RYE (GRAIN)	120

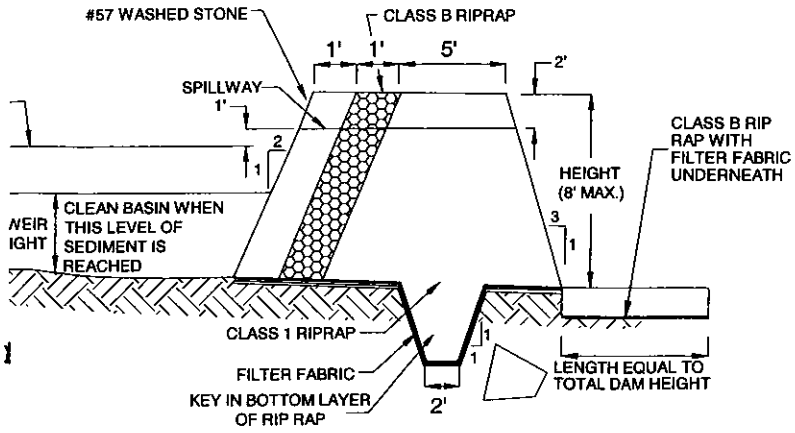
SEEDING DATES
MOUNTAINS--AUG. 15 - DEC. 15
PIEDMONT AND COASTAL PLAIN--AUG. 15 - DEC. 30

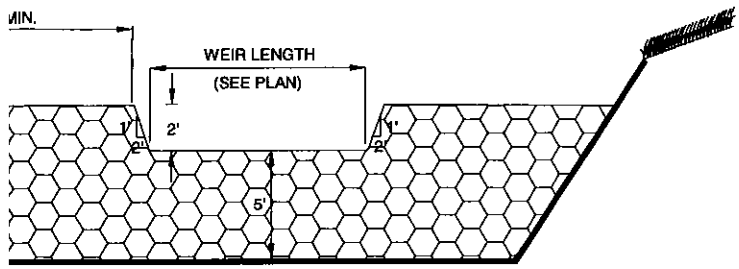
SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

SEEDBED PREPARATION:
1. RIP AREA TO BE SEEDED TO A MINIMUM DEPTH OF 4-6 INCHES.
2. REMOVE ALL LOOSE ROCKS, ROOTS, ETC. LEAVING SURFACE SMOOTH AND UNIFORM.
3. APPLY SEED, AGRICULTURAL LIME, FERTILIZER AND SUPER PHOSPHATE UNIFORMLY AND MIX WITH THE SOIL.
4. SEED ON A FRESHLY PREPARED SEEDBED AND COVER THE SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
5. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.





MENTS SHALL EXTEND TO AN ELEVATION AT LEAST 2 FT ABOVE THE SPILLWAY.
SHALL BE A MINIMUM OF 5 FEET THICK WITH 2:1 UPSTREAM AND 3:1 DOWNSTREAM SIDE
ROCK ABUTMENTS SHALL EXTEND DOWN THE DOWNSTREAM FACE OF THE DAM TO THE
ST 1 FT HIGHER THAN THE REST OF THE DAM TO PROTECT THE EARTH ABUTMENTS FROM

OTECTION - A ROCK APRON AT LEAST 1.5 FT THICK SHALL EXTEND DOWNSTREAM FROM
THE DAM, ON ZERO GRADE, A SUFFICIENT DISTANCE TO PREVENT CHANNEL EROSION, OR
EQUAL TO THE HEIGHT OF THE DAM WHICHEVER IS GREATER.
ROCK SHALL BE WELL GRADED, HARD, EROSION RESISTANT STONE WITH A MINIMUM D50
CHES.
M FROM "PIPING" - A KEYWAY LINED WITH GEOTEXTILE FILTER FABRIC SHALL BE ON THE
ATION UNDER THE ROCK FILL. TO PREVENT SOIL MOVEMENT AND PIPING UNDER THE
TER FABRIC MUST EXTEND FROM THE KEYWAY TO THE DOWNSTREAM EDGE OF THE
MUST RUN UNDER THE DAM'S ABUTMENTS.
TERING - THE ENTIRE UPSTREAM FACE OF THE ROCK STRUCTURE SHALL BE COVERED
LASS "B" RIP RAP AND 1" OF FINE GRAVEL (NCDOT #57 WASHED STONE OR
) TO REDUCE THE DRAINAGE RATE.

N SPECIFICATIONS
REAS UNDER THE EMBANKMENT AND STRIP IT OF ROOTS AND OTHER OBJECTIONABLE
EAR THE RESERVOIR AREA TO FACILITATE SEDIMENT REMOVAL.
CUTOFF TRENCH A MINIMUM OF 2 FT DEEP AND 2 FT WIDE WITH 1:1 SIDE SLOPES
OTAL LENGTH OF THE DAM AT ITS CENTERLINE. LINE THE TRENCH WITH EXTRA-
ILTER FABRIC BEFORE BACKFILLING WITH ROCK. APPLY FILTER FABRIC UNDER THE
BANKMENT, FROM THE UPSTREAM EDGE OF THE KEYWAY TO THE DOWNSTREAM EDGE OF
OVERLAP FILTER MATERIAL A MINIMUM OF 1 FT AT ALL JOINTS, WITH THE UPSTREAM
VER THE DOWNSTREAM STRIP.
THE EMBANKMENT WITH WELL-GRADED ROCK AND GRAVEL TO THE SIZE AND DIMENSIONS
HE DRAWINGS. IT IS IMPORTANT THAT ROCK ABUTMENTS BE AT LEAST 2 FT HIGHER
LLWAY CREST AND AT LEAST 1 FT HIGHER THAN THE DOWNSTREAM FACE OF THE DAM,
TO PREVENT SCOUR AND EROSION AT THE ABUTMENTS.
DEN WATER FROM THE CONSTRUCTION SITE SHOULD BE DIVERTED INTO THE BASIN
T THE FURTHEST AREA FROM THE DAM.
THE ROCK DAM BEFORE THE BASIN AREA IS CLEARED TO MINIMIZE SEDIMENT YIELD
RUCTION OF THE BASIN. STABILIZE IMMEDIATELY ALL AREAS DISTURBED DURING
UCTION OF THE DAM EXCEPT THE SEDIMENT POOL.

ENT BASINS AFTER EACH RAINFALL. REMOVE SEDIMENT AND RESTORE ORIGINAL VOLUME
ENT ACCUMULATES TO ABOUT ONE-HALF THE DESIGN VOLUME.
STRUCTURE FOR EROSION, PIPING, AND ROCK DISPLACEMENT AFTER EACH SIGNIFICANT
ND REPAIR IMMEDIATELY.
STRUCTURE AND ANY UNSTABLE SEDIMENT IMMEDIATELY AFTER THE CONSTRUCTION SITE
RMANENTLY STABILIZED. SMOOTH THE BASIN SITE TO BLEND WITH THE SURROUNDING
ABILIZE. ALL WATER AND SEDIMENT SHALL BE REMOVED FROM THE BASIN PRIOR TO DAM
DIMENT SHALL BE PLACED IN DESIGNATED DISPOSAL AREAS AND NOT ALLOWED TO FLOW
S OR DRAINAGEWAYS DURING STRUCTURE REMOVAL.

ROCK DAM SEDIMENT BASIN

FIGURE 7
EROSION CONTROL DETAILS

Piney Hill Acres LCID Landfill
Piney Grove Road
Kernersville, North Carolina

DATE: 5-16-2006	APPROVED BY:	SCALE: NA
DRAWN BY: DRK		PROJECT NO: 103374

2008022991 00170
FORSYTH CO, NC FEE $20.00
NO TAXABLE CONSIDERATION
PRESENTED & RECORDED:
05-02-2008 03:25 PM
KAREN GORDON
REGISTER OF DEEDS
BY: LORA SMALL
DPTY
BK: RE 2829
PG: 4180-4182

NORTH CAROLINA GENERAL WARRANTY DEED

Excise Tax: NTC

Parcel Identifier No. **Lots 103A,104A, p/o Lot 103E & p/o Lot 3A, Block 5417**
By: **MAIL ALL FUTURE TAX BILLS TO MAILING ADDRESS BELOW**

Mail/Box to: **Joe Coltrane, ROD Box #114** (original to)

This instrument was prepared by: **Joseph M. Coltrane, Jr.**

Brief description for the Index: **15.709 acres on Piney Grove Road, Kernersville**

THIS DEED made this 30th day of April, 2004, by and between

GRANTOR	GRANTEE
DAVID L. LAWSON AND WIFE, BETTY B. LAWSON	**DAVID LEE LAWSON, L.L.C** **Mailing Address: 2081 Piney Grove Road Kernersville, North Carolina 27284**

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of _____, _____ Township, Forsyth County, North Carolina and more particularly described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY REFERENCE FOR A MORE PARTICULAR DESCRIPTION.

The property hereinabove described was acquired by Grantor by instrument recorded in Book _____ page _____.

A map showing the above described property is recorded in Plat Book _____ page _____.

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever, other than the following exceptions:

IN WITNESS WHEREOF, the Grantor has duly executed the foregoing as of the day and year first above written.

_____ (Entity Name)

By: _____

Title: _____

David Lee Lawson (SEAL)
DAVID L. LAWSON

Betty B. Lawson (SEAL)
BETTY B. LAWSON

State of North Carolina - County of **FORSYTH**

I, the undersigned Notary Public of the County and State aforesaid, certify that **DAVID L. LAWSON AND WIFE, BETTY B. LAWSON,** who are known to me or proved to me on the basis of satisfactory evidence to be the persons described, personally appeared before me this day and acknowledged the due and voluntary execution of the foregoing instrument for the purpose stated therein. Witness my hand and Notarial stamp or seal this 1st day of May, 2008.

My Commission Expires: 9/8/2012

NOTARY PUBLIC
GINA K. MOTSINGER
FORSYTH COUNTY, NC
My Commission Expires _____

Gina K Motsinger
Notary Public

GINA K MOTSINGER
(Typed or printed name of Notary)

EXHIBIT "A"

Property of David Lee Lawson, L.L.C

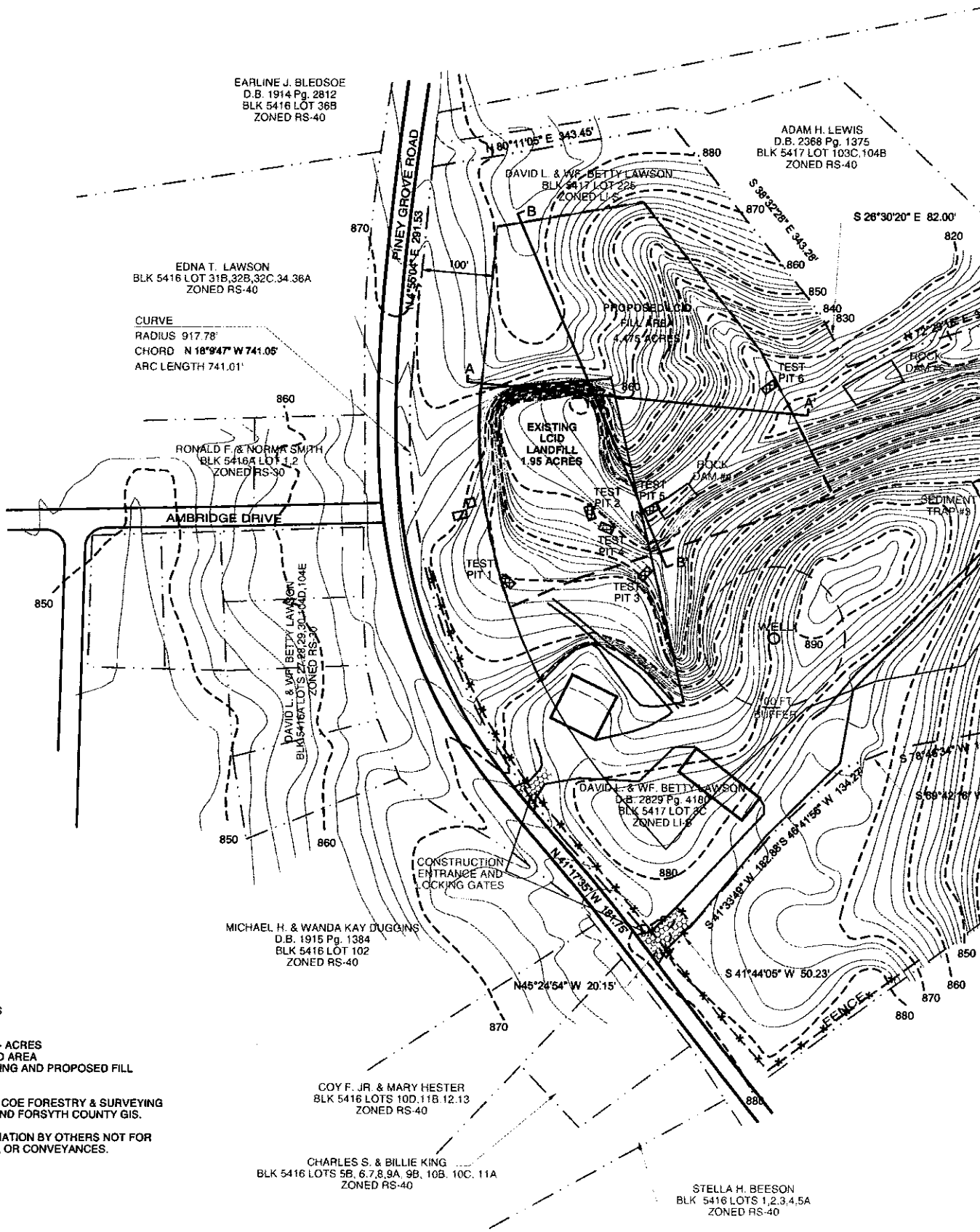
BEGINNING at an iron pipe on the east margin of the right-of-way of Piney Grove Road, said iron pipe marking the southwestern most corner of that property now or formerly owned by Adam Lewis (Deed Book 2368, Page 1375, Forsyth County Registry); thence from said beginning point and running with Lewis's south line, North 80° 11' 05" East 343.45 feet to an iron pipe; thence continuing with Lewis's west line, South 38° 32' 28" East 343.28 feet to an iron pipe; thence continuing with Lewis's west line, South 26° 30' 20" East 82.0 feet to an iron pipe; thence with Lewis's south line, North 72° 29' 15" East 329.5 feet to an iron pipe; thence a new line with David Lawson the following eight (8) courses distances: South 60° 47' 10" East 146.62 feet; South 6° 44' 25" West 293.59 feet; South 35' 11" 35" West 312.61 feet; South 78° 46' 34" West 166.14 feet; South 69° 42' 16" West 71.41 feet; South 46° 41' 56" West 134.27 feet; South 41° 33' 49" West 182.88 feet; and South 41° 44' 05" West 50.23 feet to an iron pipe in the east margin of the right-of-way of Piney Grove Road; thence running with the east margin of the right-of-way of said road, North 45° 24' 54" West 20.15 feet to an iron pipe; thence a new line with other property of David Lawson the following six (6) courses and distances: North 41° 30' 28" East 50.02 feet; North 38° 49' 10" East 181.97 feet; North 46° 15' 08" East 115.5 feet; North 73° 38' 27" West 234.51 feet; North 58° 09' 43" West 139.26 feet; and South 60° 52' 07" West 151.89 feet to an iron pipe in the east margin of the right-of-way of Piney Grove Road; thence running with the east margin of the right-of-way of said road North 28° 13' 31" West 46.55 feet to a point; thence running with the east margin of the right-of-way of said road as it curves to the right (said curve having the following characteristics: Radius = 917.78 feet; Arc Length = 467.54 feet; Chord = North 9° 37' 36" West) a chord distance of 462.5 feet to a point; thence continuing with the east margin of the right-of-way of said road, North 4° 55' 04" East 291.53 feet to the point and place of **BEGINNING**.

The above-described property includes Lots 103A, 104A part of 103E and part of Lot 3A, Block 5417 as the Forsyth County Tax Maps are presently constituted. The total area is 15.709 acres, more or less, according to a survey by David Bradley Coe dated December 5, 2007.

Date: 04/19/06
Project: Piney Hill Acres
Description: Existing Landfill and Beneficial Fill Area
Design By: Christopher W. Hay, E.I.

EFFICIENCY BASED SEDIMENT TRAP DESIGN

Sediment Trap #	Drainage Area (Ac.)	"C" Factor	Tc (min.)	10 yr. Storm Intensity (in/hr)	Inflow, Q (cfs)	Disturbed Area (Ac.)	Sediment Volume Required (cu. ft.)	Surface Area Required (sq. ft.)	Sediment Basin Dimensions (Bottom Dimensions)				Dimensions at Weir		Sediment Volume Provided (cu. ft.)	Surface Area Provided (cu. ft.)	W Hei (f
									Length (ft.)	Width (ft.)	Side Slopes (ft./ft.)	Total Depth (ft.)	Length (ft.)	Width (ft.)			
3	0.40	0.35	10.00	5.75	0.81	0.22	396	351	83	43	2.0:1	4.50	95	55	13,112	5,225	3.



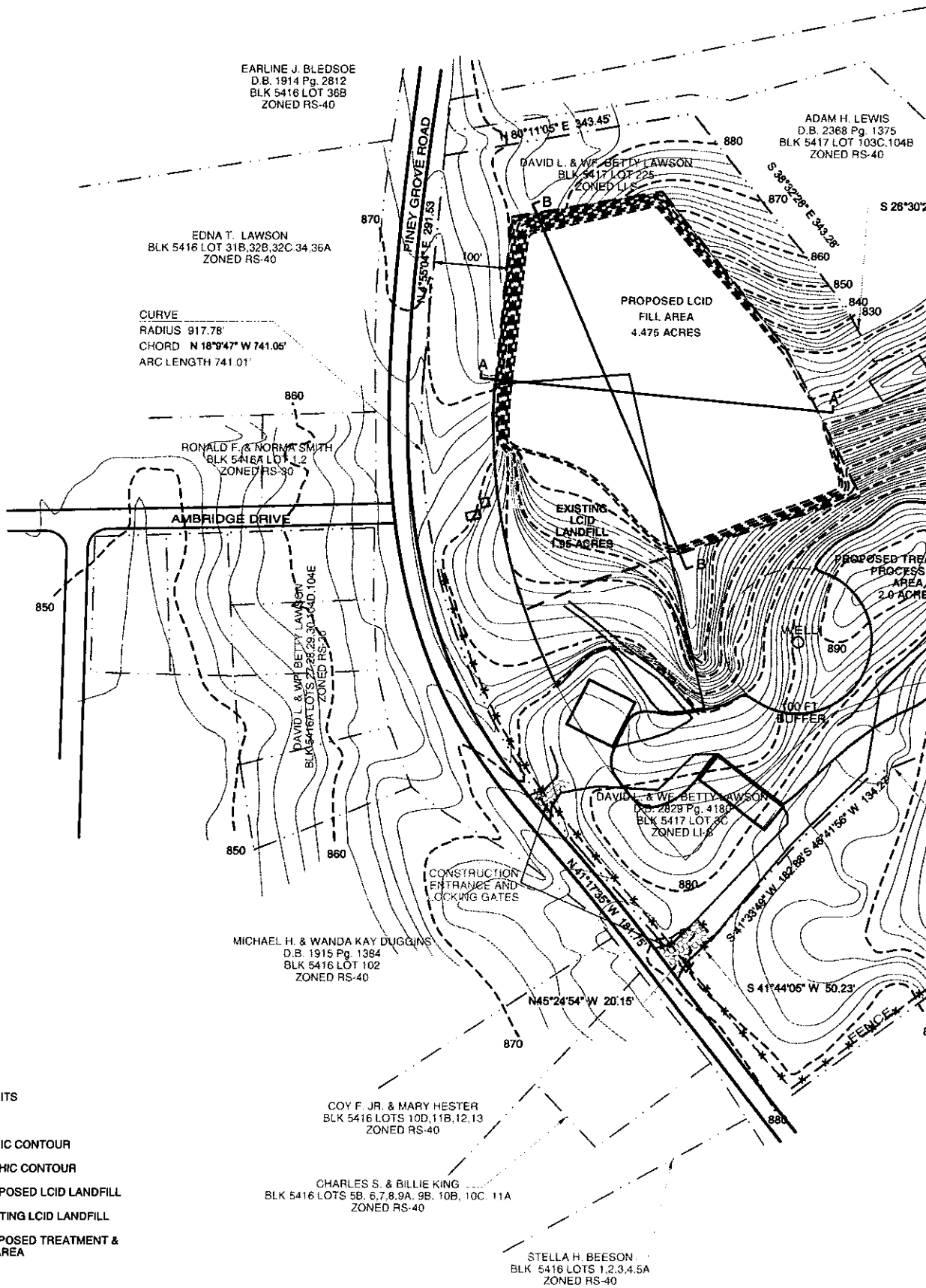
NOTES:

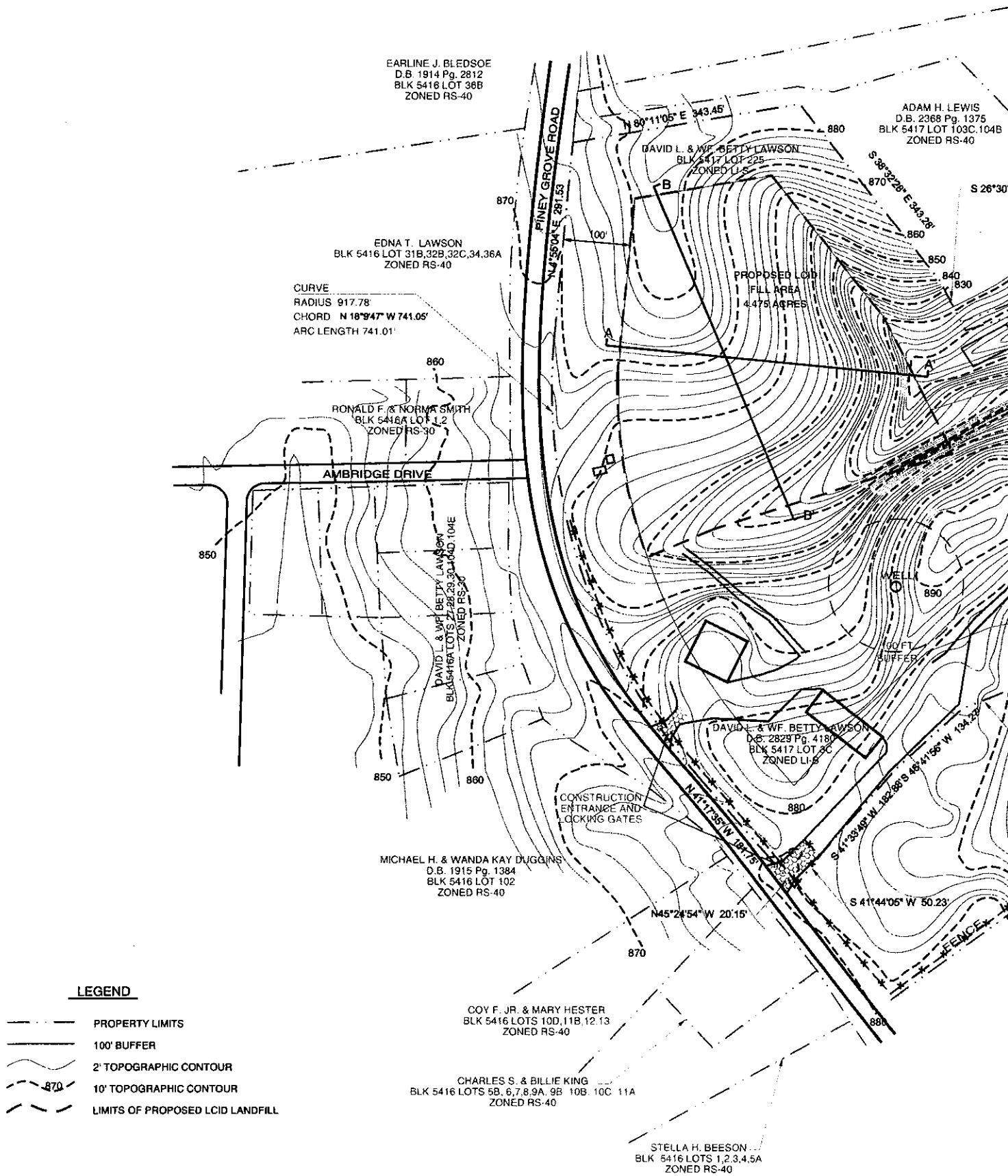
ZONING
EXISTING ZONING: LI-S

AREA
SITE TOTAL = 17.771 +/- ACRES
PROPOSED DISTURBED AREA
LCID LANDFILL = EXISTING AND PROPOSED FILL
4.475 +/- ACRES

BASED ON SURVEY BY COE FORESTRY & SURVEYING DATED JULY 21, 2008 AND FORSYTH COUNTY GIS.

TOPOGRAPHIC INFORMATION BY OTHERS NOT FOR RECORDATION, SALES, OR CONVEYANCES.


EARLINE J. BLEDSOE
D.B. 1914 Pg. 2812
BLK 5416 LOT 36B
ZONED RS-40
PINEY GROVE ROAD
N 80°11'05" E 343.45'
ADAM H. LEWIS
D.B. 2368 Pg. 1375
BLK 5417 LOT 103C,104B
ZONED RS-40
DAVID L. & WF. BETTY LAWSON
BLK 5417 LOT 225
ZONED LI-S
S 38°32'28" E 343.28'
S 26°30'2
EDNA T. LAWSON
BLK 5416 LOT 31B,32B,32C,34,36A
ZONED RS-40
N 4°55'04" E 291.53
100'
PROPOSED LCID
FILL AREA
4.475 ACRES
CURVE
RADIUS 917.78'
CHORD N 18°9'47" W 741.05'
ARC LENGTH 741.01'
RONALD F. & NORMA SMITH
BLK 5416A LOT 1,2
ZONED RS-30
AMBRIDGE DRIVE
EXISTING
LCID
LANDFILL
1.95 ACRES
PROPOSED TRE
PROCESS
AREA,
2.0 ACRE
WELL
100 FT
BUFFER
DAVID L. & WF. BETTY LAWSON
BLK5416A LOTS 27,28,29,30,104D,104E
ZONED RS-30
DAVID L. & WF. BETTY LAWSON
D.B. 2829 Pg. 4180
BLK 5417 LOT 3C
ZONED LI-S
N 41°17'35" W 194.75'
S 41°33'49" W 182.88'
S 46°41'56" W 134.22'
CONSTRUCTION
ENTRANCE AND
LOCKING GATES
MICHAEL H. & WANDA KAY DUGGINS
D.B. 1915 Pg. 1384
BLK 5416 LOT 102
ZONED RS-40
S 41°44'05" W 50.23'
N45°24'54" W 20.15'
FENCE
COY F. JR. & MARY HESTER
BLK 5416 LOTS 10D,11B,12,13
ZONED RS-40
CHARLES S. & BILLIE KING
BLK 5416 LOTS 5B, 6,7,8,9A, 9B, 10B, 10C, 11A
ZONED RS-40
STELLA H. BEESON
BLK 5416 LOTS 1,2,3,4,5A
ZONED RS-40
LEGEND
PROPERTY LIMITS
100' BUFFER
2' TOPOGRAPHIC CONTOUR
10' TOPOGRAPHIC CONTOUR
LIMITS OF PROPOSED LCID LANDFILL
LIMITS OF EXISTING LCID LANDFILL
LIMITS OF PROPOSED TREATMENT & PROCESSING AREA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DAVID L. & WF. BETTY LAWSON
BLK 5417 LOT 225
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BLK 5416 LOT 31B,32B,32C,34,36A
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RADIUS 917.78'
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RONALD F. & NORMA SMITH
BLK 5416A LOT 1,2
ZONED RS-30
AMBRIDGE DRIVE
DAVID L. & WF. BETTY LAWSON
BLK5416A LOTS 27,28,29,30,104D,104E
ZONED RS-30
WELL
100 FT
BUFFER
DAVID L. & WF. BETTY LAWSON
D.B. 2829 Pg. 418
BLK 5417 LOT 3C
ZONED LI-S
CONSTRUCTION
ENTRANCE AND
LOCKING GATES
N 41°17'35" W 182.79'
S 41°33'49" W 182.86'
S 46°41'56" W 134.28'
S 41°44'05" W 50.23'
N45°24'54" W 20.15'
FENCE
MICHAEL H. & WANDA KAY DUGGINS
D.B. 1915 Pg. 1384
BLK 5416 LOT 102
ZONED RS-40
COY F. JR. & MARY HESTER
BLK 5416 LOTS 10D,11B,12,13
ZONED RS-40
CHARLES S. & BILLIE KING
BLK 5416 LOTS 5B, 6,7,8,9A, 9B 10B, 10C 11A
ZONED RS-40
STELLA H. BEESON
BLK 5416 LOTS 1,2,3,4,5A
ZONED RS-40
LEGEND
PROPERTY LIMITS
100' BUFFER
2' TOPOGRAPHIC CONTOUR
870 10' TOPOGRAPHIC CONTOUR
LIMITS OF PROPOSED LCID LANDFILL